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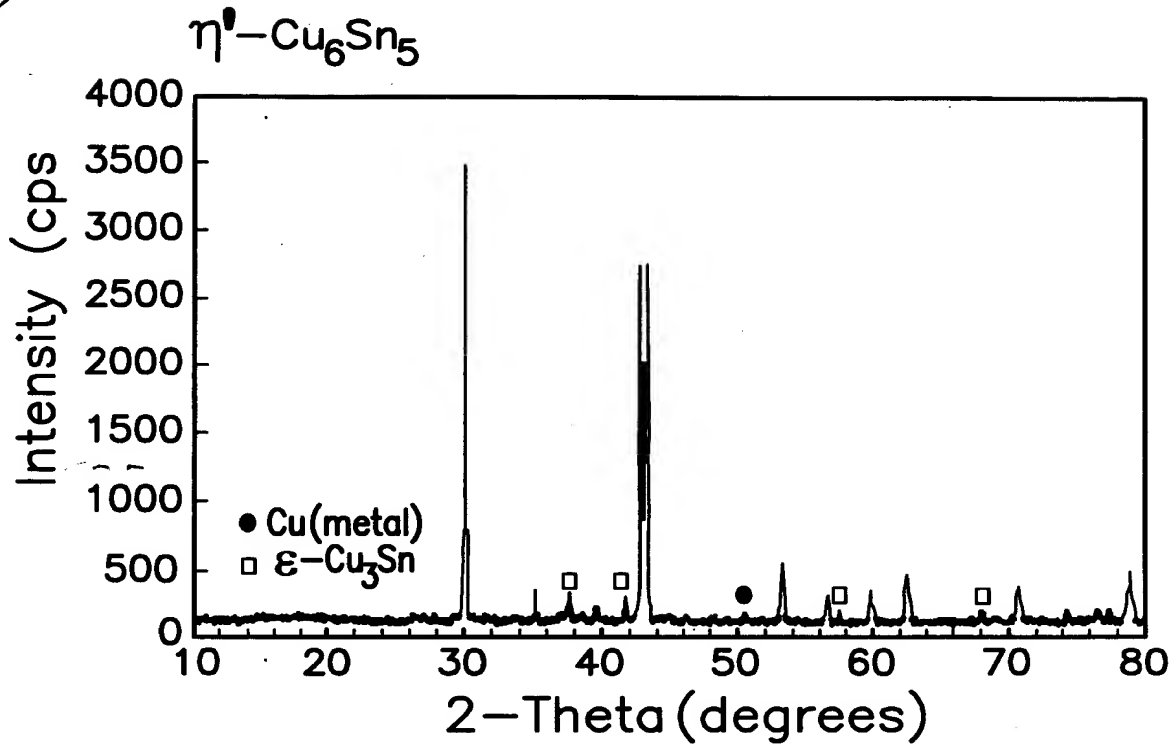


FIG. 1A

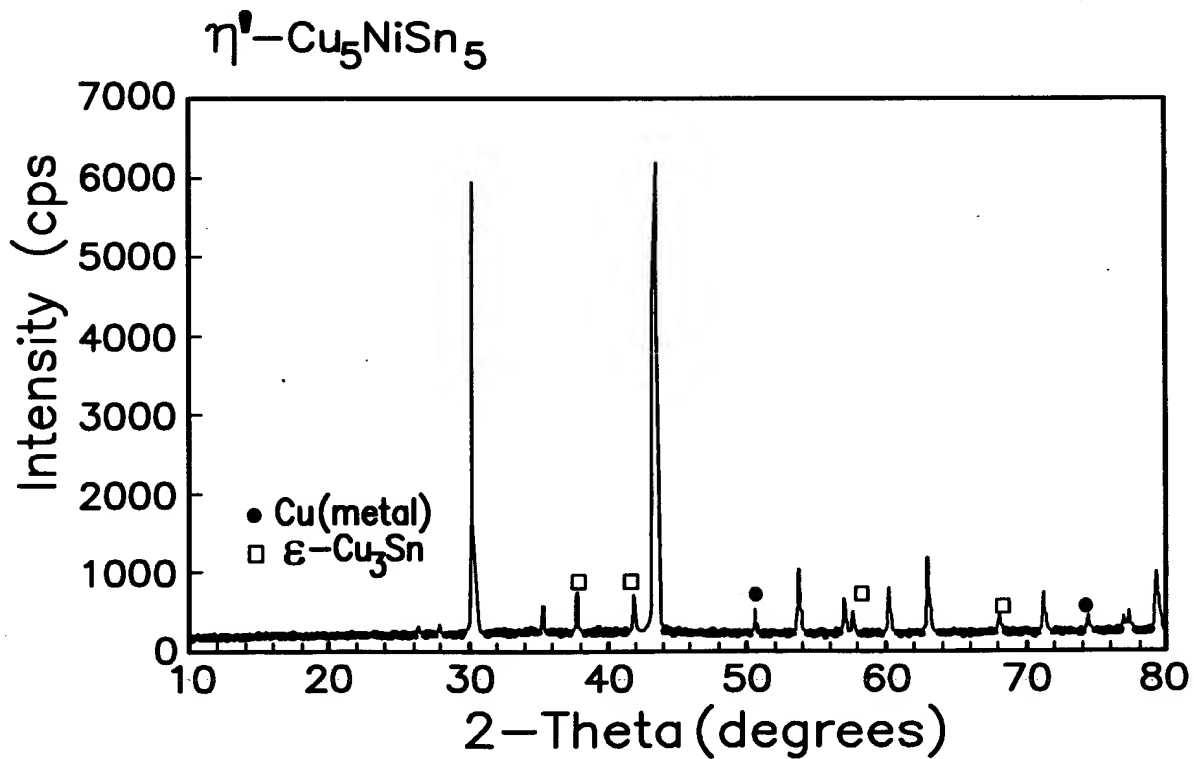


FIG. 1B



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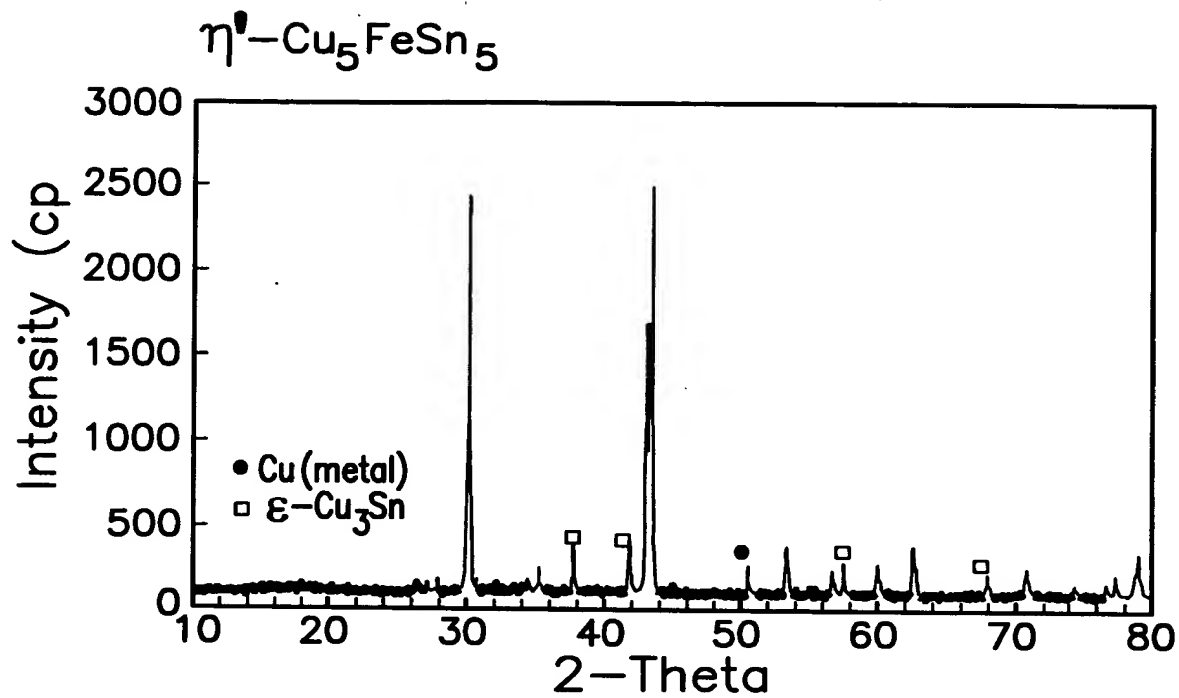


FIG. 1C

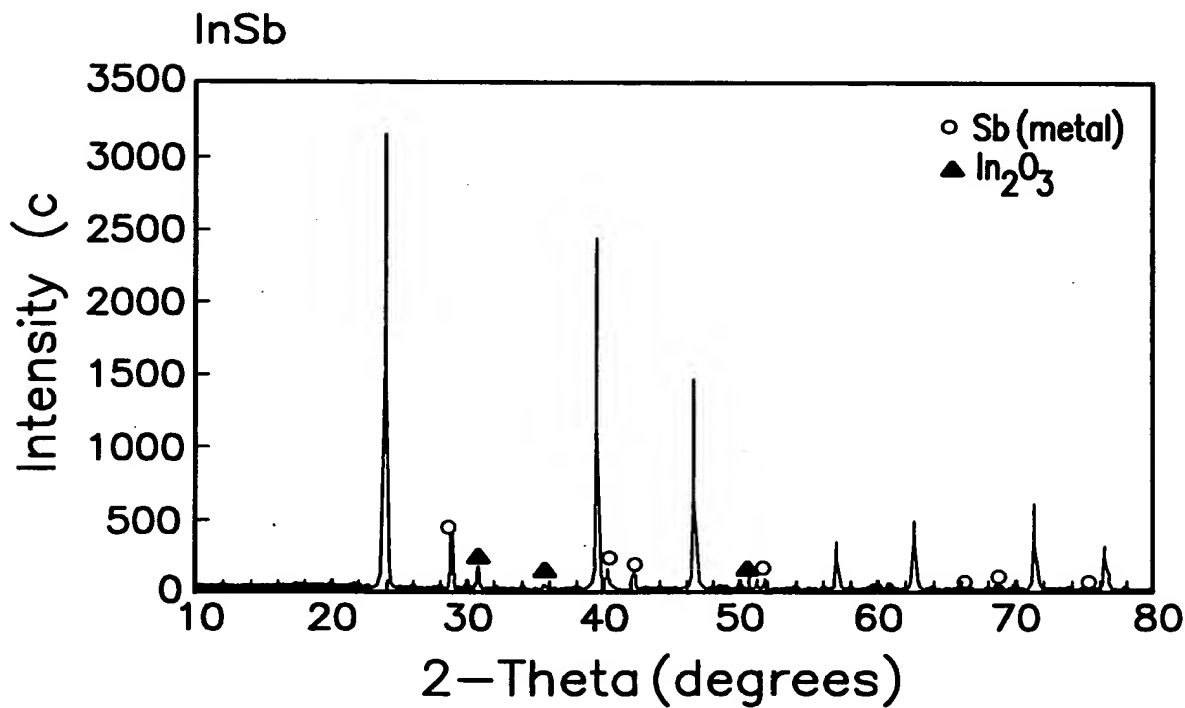


FIG. 1D



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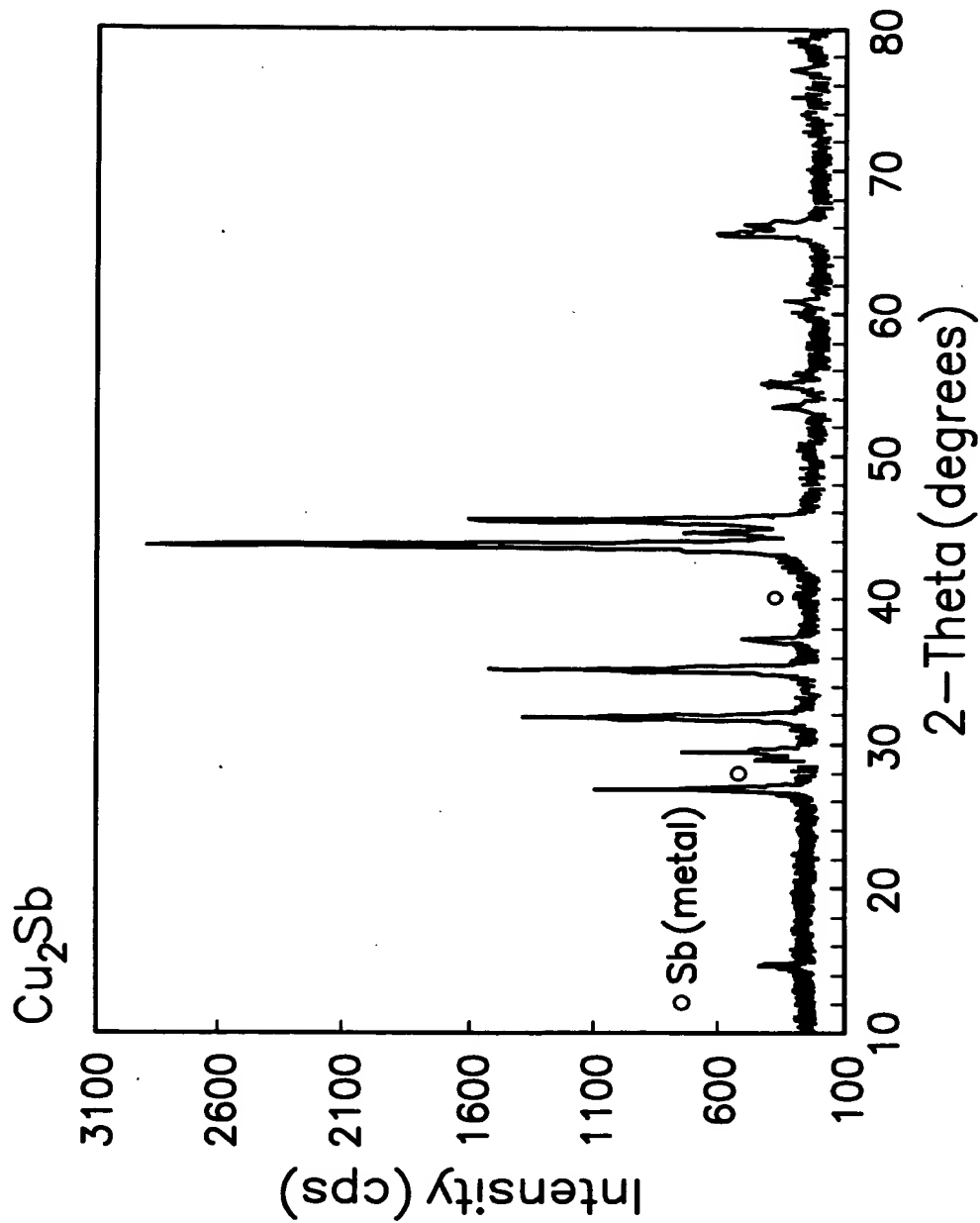


FIG. 1E



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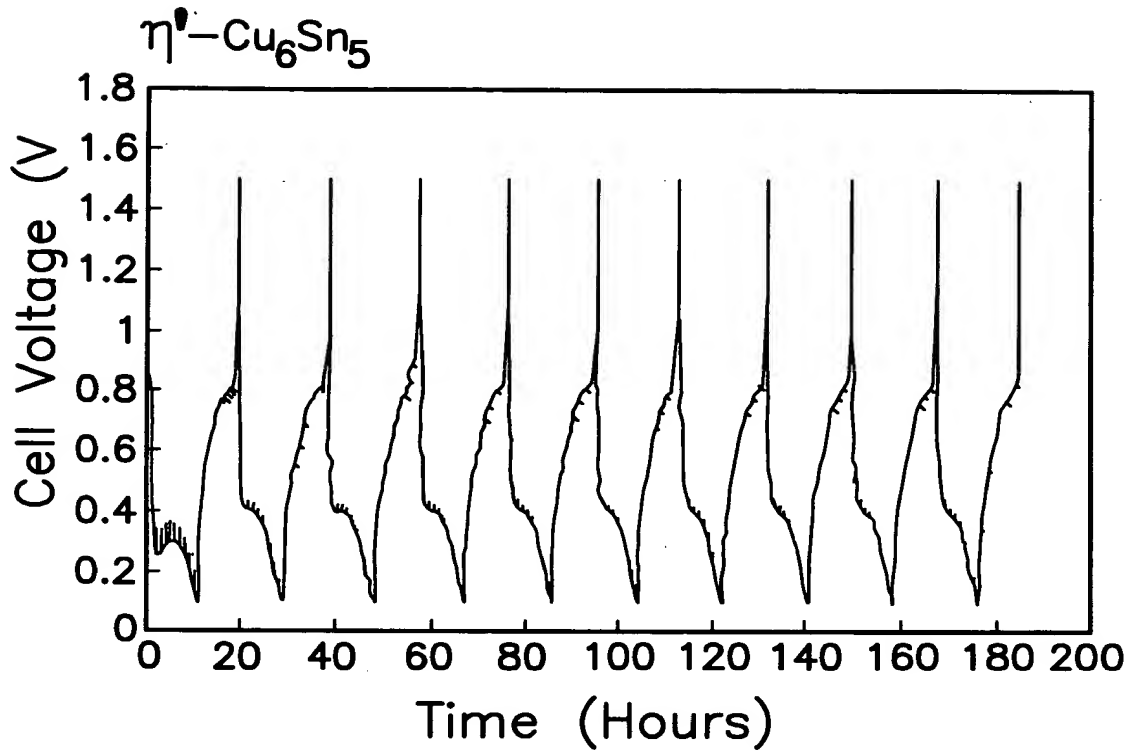


FIG. 2A

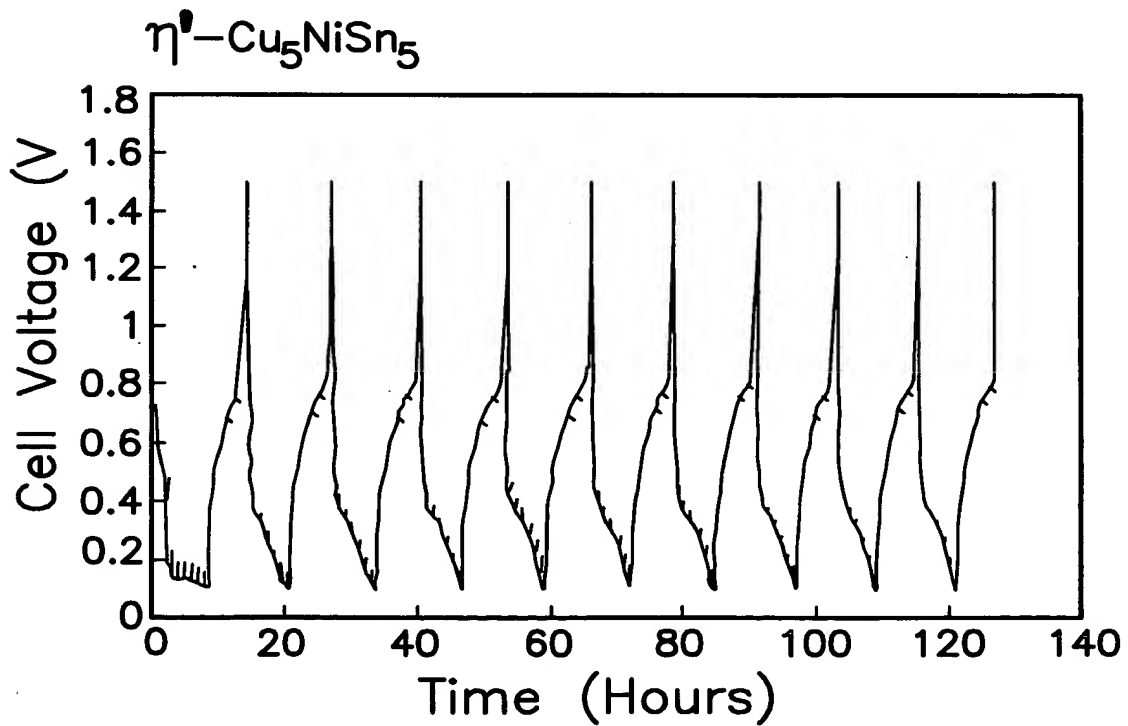
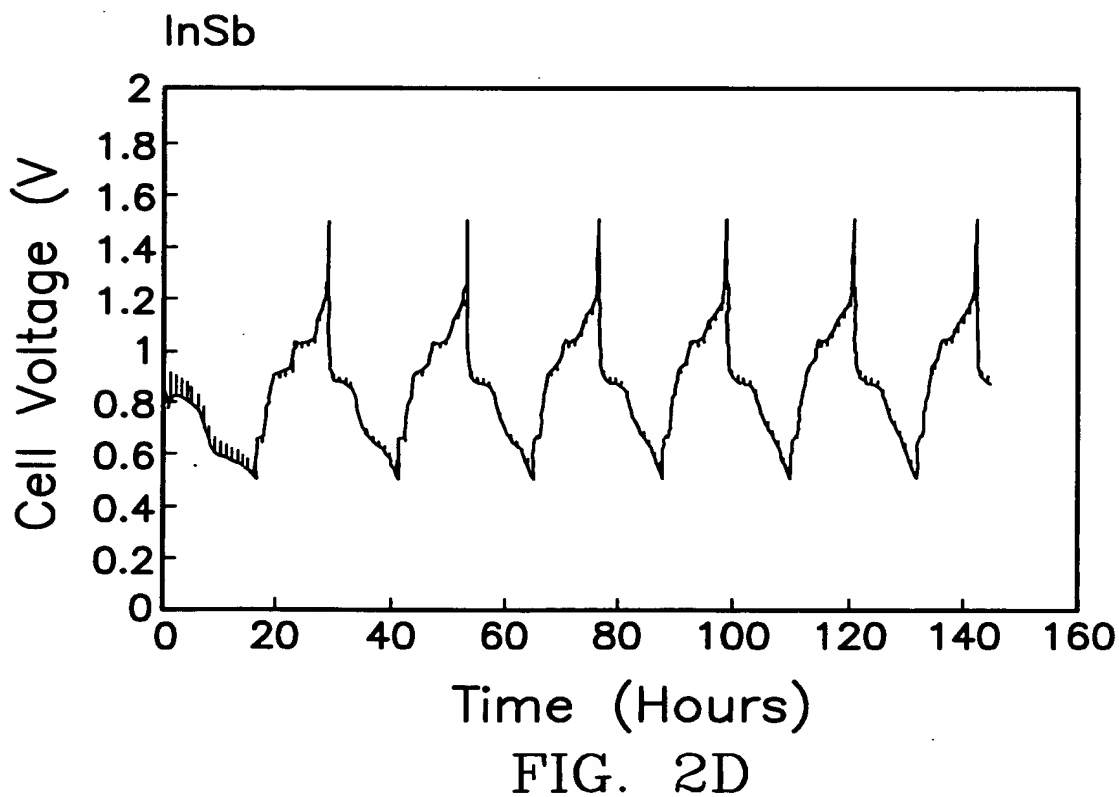
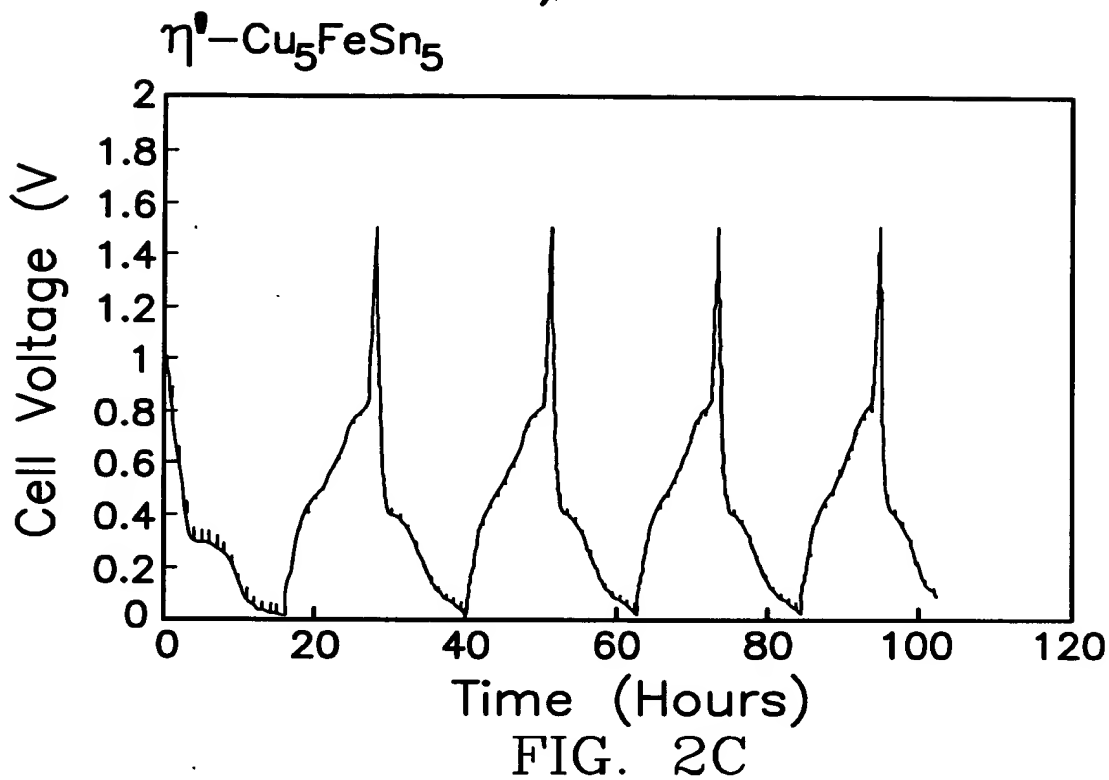


FIG. 2B



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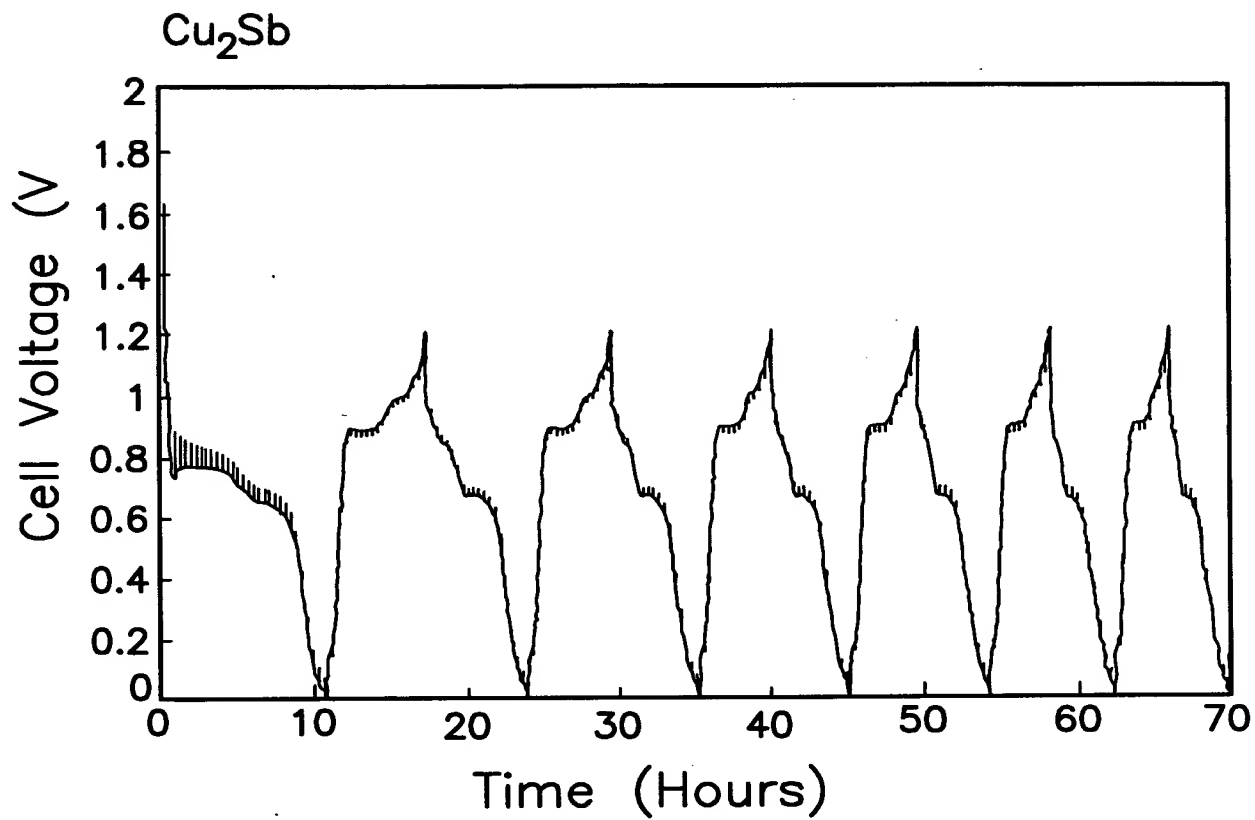


FIG. 2E

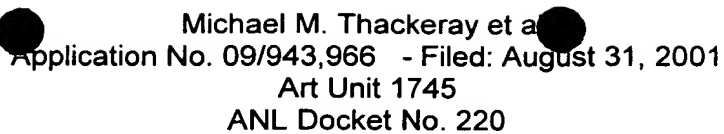


Figure 1 is a line graph showing the specific capacity (mAh/g) of various metal-sulfide electrodes over 12 cycles. The y-axis represents Specific Capacity (mAh/g) from 0 to 600, and the x-axis represents Cycle Number from 0 to 12. The legend identifies 12 different electrode materials and their corresponding symbols and line styles. The data shows that most electrodes exhibit an initial increase in capacity followed by a stabilization or slight decrease over the 12 cycles.

Cycle Number	InSb(soln)lithiation(discharge)	InSb(soln)de-lithiation(charge)	Cu2Sb(soln)lithiation(discharge)	Cu2Sb(soln)de-lithiation(charge)	Cu6Sn5(soln)lithiation(discharge)	Cu6Sn5(soln)de-lithiation(charge)	Cu5NiSn5(soln)lithiation(discharge)	Cu5NiSn5(soln)de-lithiation(charge)	Cu5FeSn5(soln)lithiation(discharge)	Cu5FeSn5(soln)de-lithiation(charge)
1	420	380	350	320	380	350	320	300	350	320
2	450	400	380	350	400	380	350	320	380	350
3	480	420	400	380	420	400	380	350	400	380
4	500	440	420	400	440	420	400	380	420	400
5	520	460	440	420	460	440	420	400	440	420
6	540	480	460	440	480	460	440	420	460	440
7	560	500	480	460	500	480	460	440	480	460
8	580	520	500	480	520	500	480	460	500	480
9	600	540	520	500	540	520	500	480	520	500
10	600	540	520	500	540	520	500	480	520	500
11	600	540	520	500	540	520	500	480	520	500
12	600	540	520	500	540	520	500	480	520	500

FIG. 3



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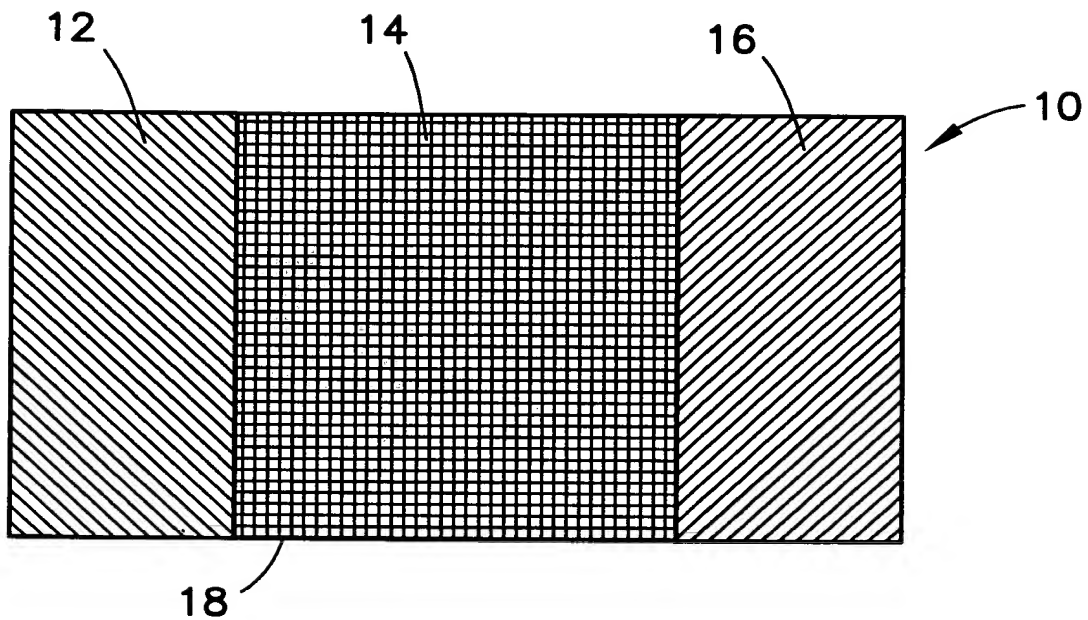


FIG. 4



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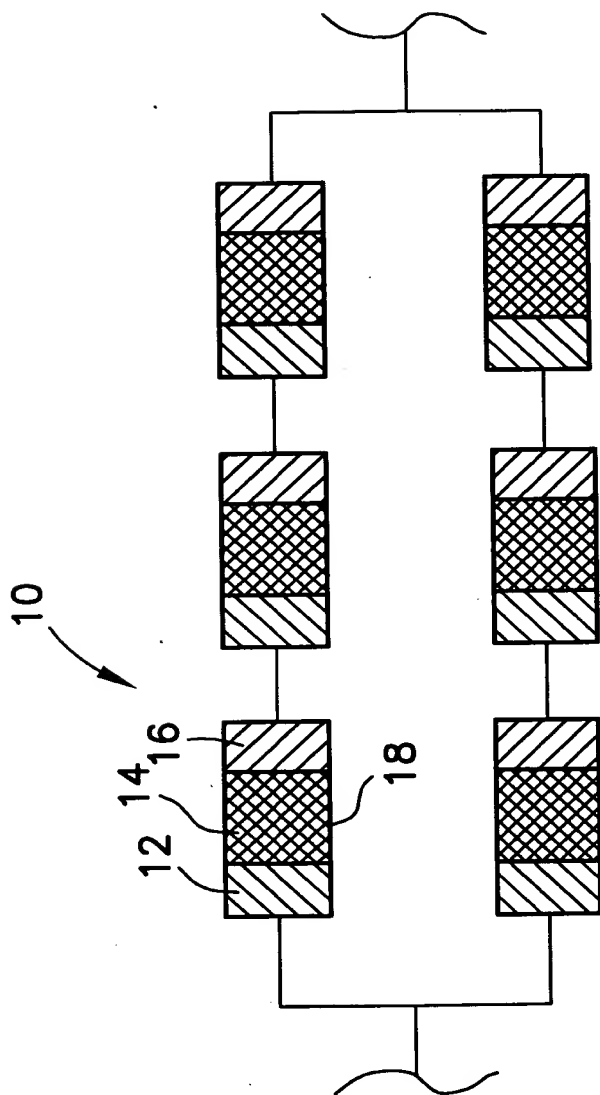


FIG. 5